

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635157

Luminaire Tested: GWS-SA3D-730-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14527.7 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

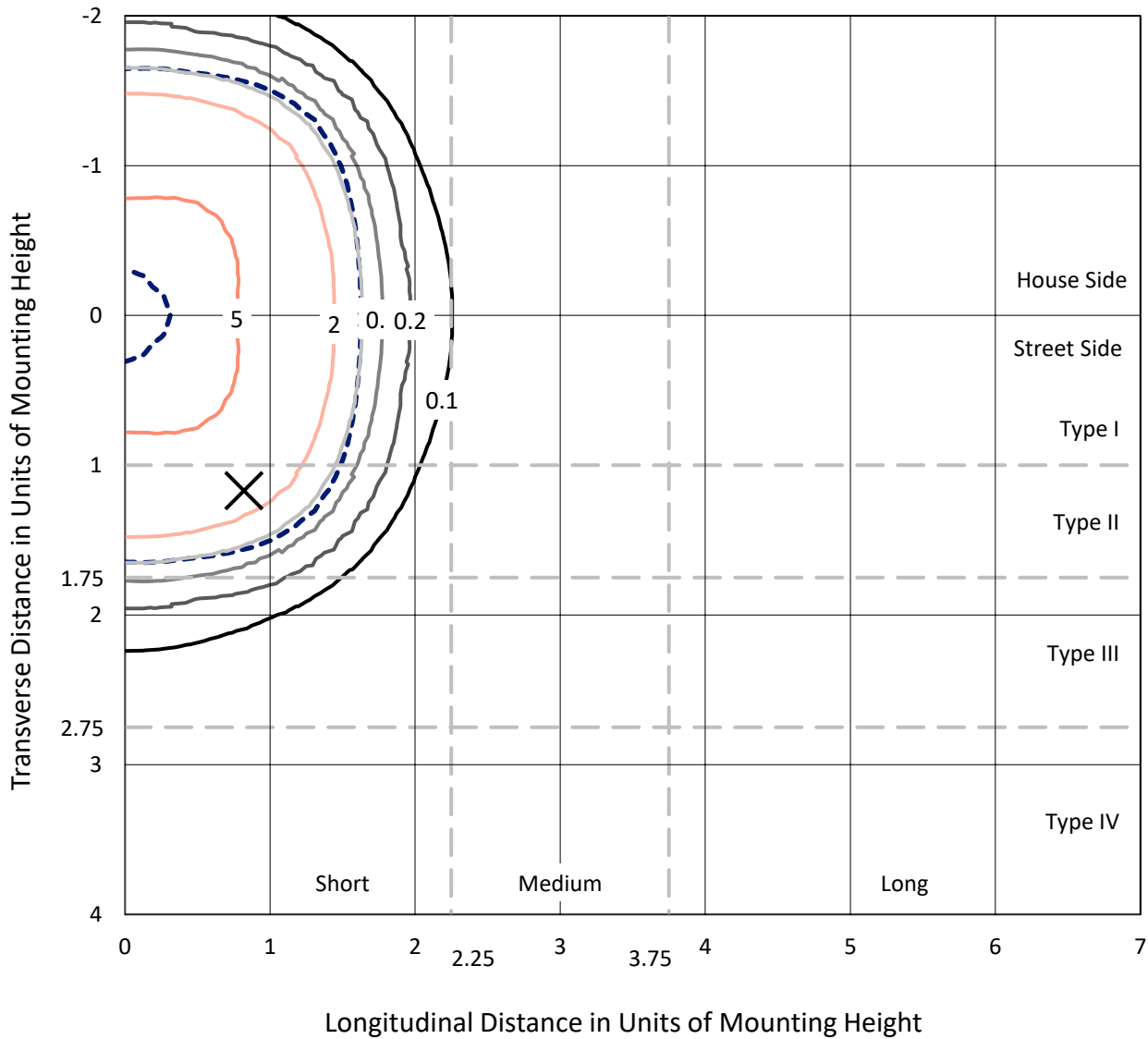
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635157
 CATALOG NUMBER: GWS-SA3D-730-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

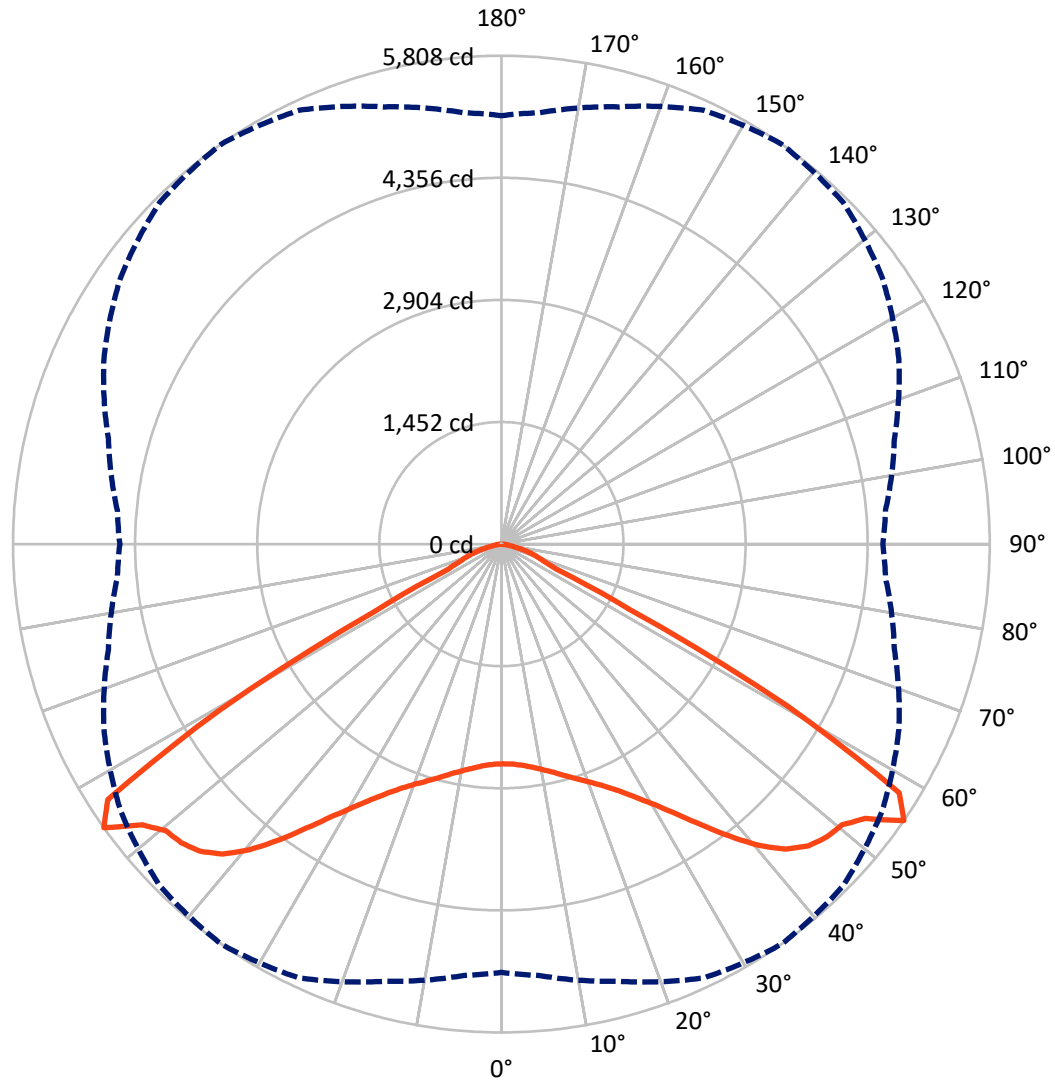
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P635157
CATALOG NUMBER: GWS-SA3D-730-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P635157

CATALOG NUMBER: GWS-SA3D-730-U-5NQ-W-GRSWH

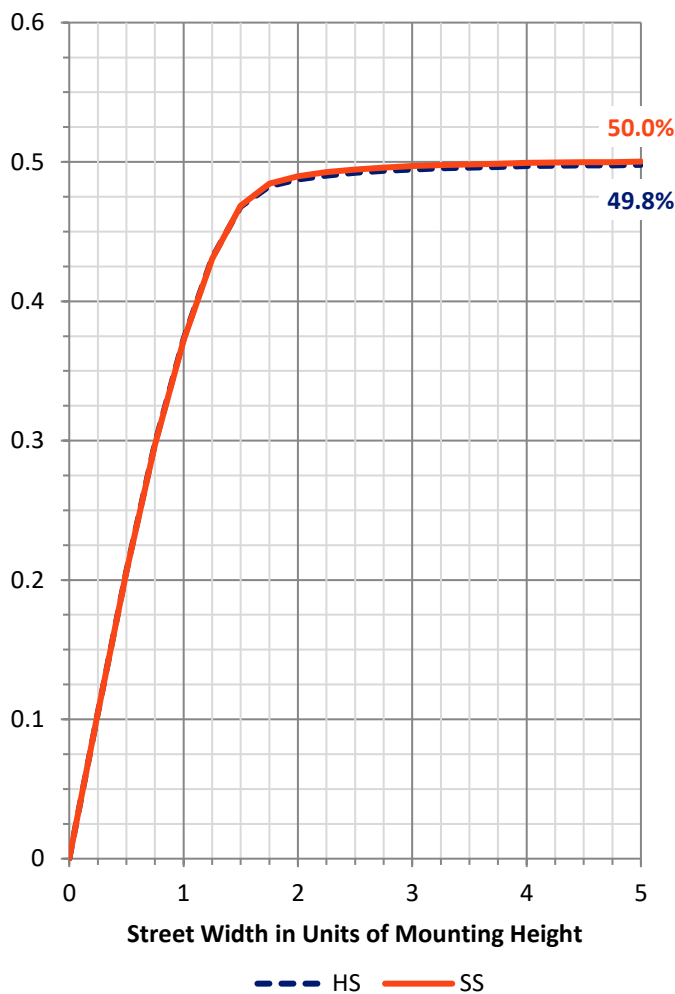
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7263.8	0.0	7263.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7263.8	0.0	7263.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14527.7	0.0	14527.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	1.8
10°-20°	811.6	5.6
20°-30°	1502.1	10.3
30°-40°	2512.8	17.3
40°-50°	3829.0	26.4
50°-60°	4289.3	29.5
60°-70°	1014.9	7.0
70°-80°	273.6	1.9
80°-90°	39.4	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14527.7	100.0
0°-180°	14527.7	100.0

Coefficient of Utilization



REPORT NUMBER: P635157

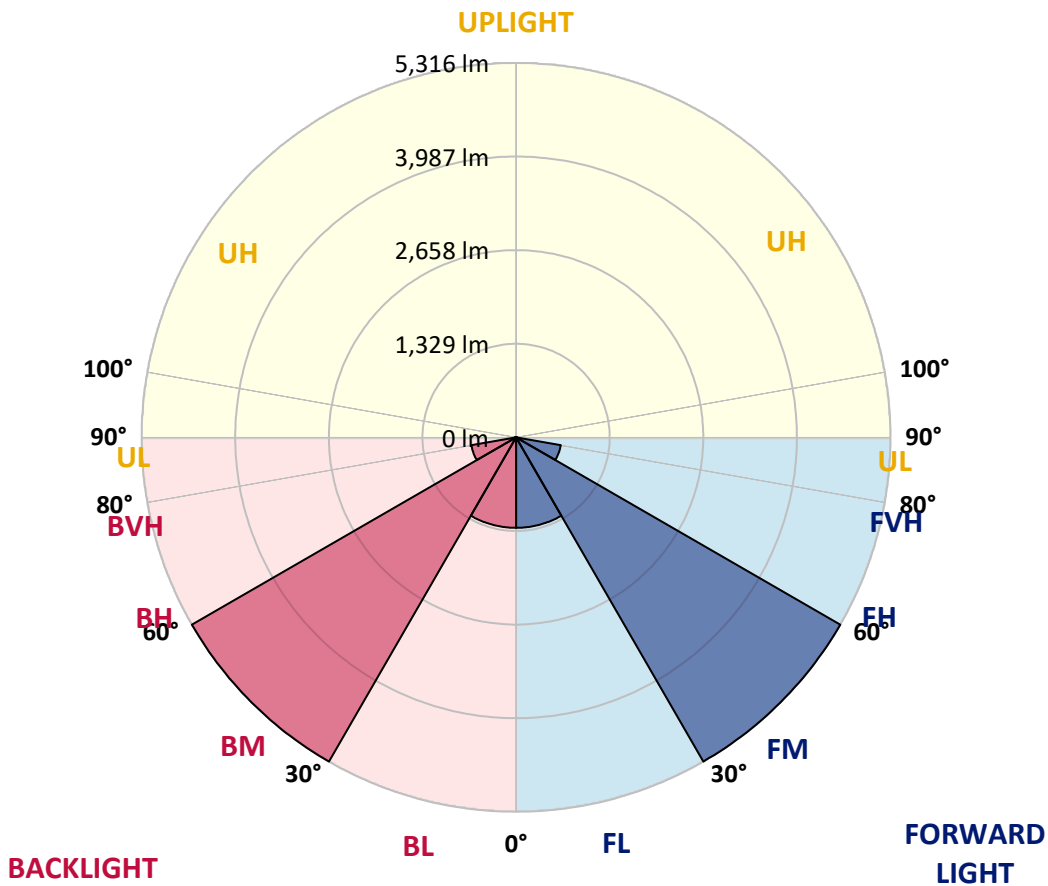
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1284.3	8.8			
FM (30°-60°)	5315.6	36.6			
FH (60°-80°)	644.3	4.4			G0/660
FVH (80°-90°)	19.7	0.1			G1/100
BL (0°-30°)	1284.3	8.8	B3/2500		
BM (30°-60°)	5315.6	36.6	B4/8500		
BH (60°-80°)	644.3	4.4	B2/1000		G0/660
BVH (80°-90°)	19.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P635157

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2613.6	2613.6	2613.6	2613.6	2613.6	2613.6	2613.6	2613.6	2613.6	2613.6	2613.6
2.5°	2607.8	2607.8	2612.4	2618.2	2619.3	2630.8	2628.5	2623.9	2621.6	2617.0	2627.4
5°	2636.5	2637.7	2641.1	2644.6	2642.3	2651.5	2648.0	2642.3	2638.8	2633.1	2643.4
7.5°	2674.5	2674.5	2677.9	2682.5	2680.2	2694.0	2687.1	2679.1	2673.3	2666.4	2675.6
10°	2708.9	2711.2	2714.7	2723.9	2728.5	2743.4	2738.8	2727.3	2718.1	2710.1	2720.4
12.5°	2760.6	2762.9	2766.4	2779.0	2787.0	2802.0	2795.1	2779.0	2765.2	2753.7	2765.2
15°	2827.3	2825.0	2834.1	2850.2	2860.6	2874.4	2866.3	2838.7	2820.4	2805.4	2816.9
17.5°	2895.0	2893.9	2903.1	2923.8	2938.7	2957.1	2943.3	2911.1	2891.6	2873.2	2884.7
20°	2968.6	2972.0	2981.2	3000.7	3022.6	3046.7	3035.2	3000.7	2978.9	2958.2	2967.4
22.5°	3059.3	3060.5	3070.8	3096.1	3124.8	3147.8	3140.9	3098.4	3070.8	3049.0	3060.5
25°	3168.5	3167.3	3181.1	3211.0	3251.2	3274.1	3259.2	3212.1	3182.2	3157.0	3166.2
27.5°	3293.7	3292.5	3313.2	3352.3	3409.7	3441.9	3410.9	3352.3	3310.9	3275.3	3283.3
30°	3451.1	3447.6	3470.6	3523.4	3598.1	3652.1	3606.2	3524.6	3470.6	3432.7	3440.7
32.5°	3625.7	3630.3	3659.0	3730.2	3824.4	3894.5	3825.6	3734.8	3662.4	3607.3	3616.5
35°	3817.5	3817.5	3876.1	3964.6	4099.0	4192.1	4085.2	3954.2	3857.7	3781.9	3784.2
37.5°	4031.2	4033.5	4110.5	4232.3	4408.0	4517.2	4372.4	4210.4	4093.3	4011.7	4007.1
40°	4292.0	4298.9	4378.2	4513.7	4711.3	4811.3	4656.2	4497.6	4378.2	4281.7	4272.5
42.5°	4586.1	4588.4	4672.3	4794.0	4960.6	5020.4	4898.6	4768.8	4671.1	4583.8	4574.6
45°	4866.4	4860.7	4933.0	5023.8	5120.3	5126.0	5058.3	5005.4	4920.4	4845.7	4831.9
47.5°	5084.7	5080.1	5145.6	5195.0	5206.5	5150.2	5172.0	5180.0	5081.2	4980.1	4953.7
50°	5218.0	5227.1	5289.2	5316.8	5249.0	5157.1	5239.8	5219.1	5077.8	4945.7	4903.2
52.5°	5298.4	5312.2	5420.1	5490.2	5420.1	5332.8	5344.3	5222.5	5019.2	4844.6	4789.4
55°	5095.0	5150.2	5383.4	5693.6	5808.4	5747.6	5529.3	5215.7	4838.8	4585.0	4537.9
57.5°	3776.2	3863.5	4209.3	4881.3	5579.8	5801.6	5164.0	4372.4	3801.5	3475.2	3447.6
60°	1927.7	2025.4	2302.2	2992.7	3891.1	4203.5	3597.0	2799.7	2225.3	1961.0	1931.2
62.5°	786.9	803.0	893.8	1160.3	1719.8	1984.0	1742.8	1223.5	919.1	846.7	847.8
65°	619.2	622.7	618.1	634.2	720.3	799.6	738.7	649.1	633.0	641.0	635.3
67.5°	539.9	541.1	537.6	537.6	541.1	537.6	544.5	548.0	550.3	559.5	553.7
70°	451.5	452.6	452.6	454.9	453.8	448.0	458.4	463.0	464.1	469.9	466.4
72.5°	349.2	352.7	355.0	356.1	355.0	351.5	357.3	365.3	364.2	369.9	364.2
75°	236.7	241.3	243.6	248.1	247.0	247.0	253.9	257.3	253.9	258.5	253.9
77.5°	134.4	137.9	144.8	149.3	153.9	157.4	162.0	164.3	163.1	165.4	163.1
80°	78.1	79.3	85.0	87.3	93.1	98.8	103.4	105.7	106.8	108.0	106.8
82.5°	44.8	46.0	48.3	50.5	55.1	59.7	64.3	67.8	67.8	68.9	67.8
85°	21.8	21.8	23.0	24.1	26.4	29.9	33.3	36.8	37.9	37.9	37.9
87.5°	3.4	3.4	4.6	4.6	5.7	6.9	9.2	11.5	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)